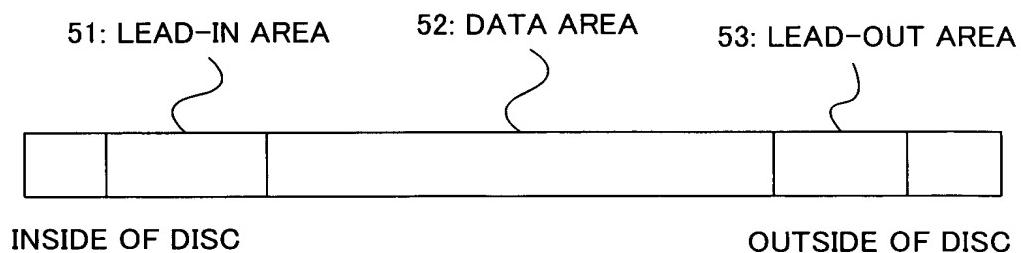


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**FIG. 1A**



**FIG. 1B**

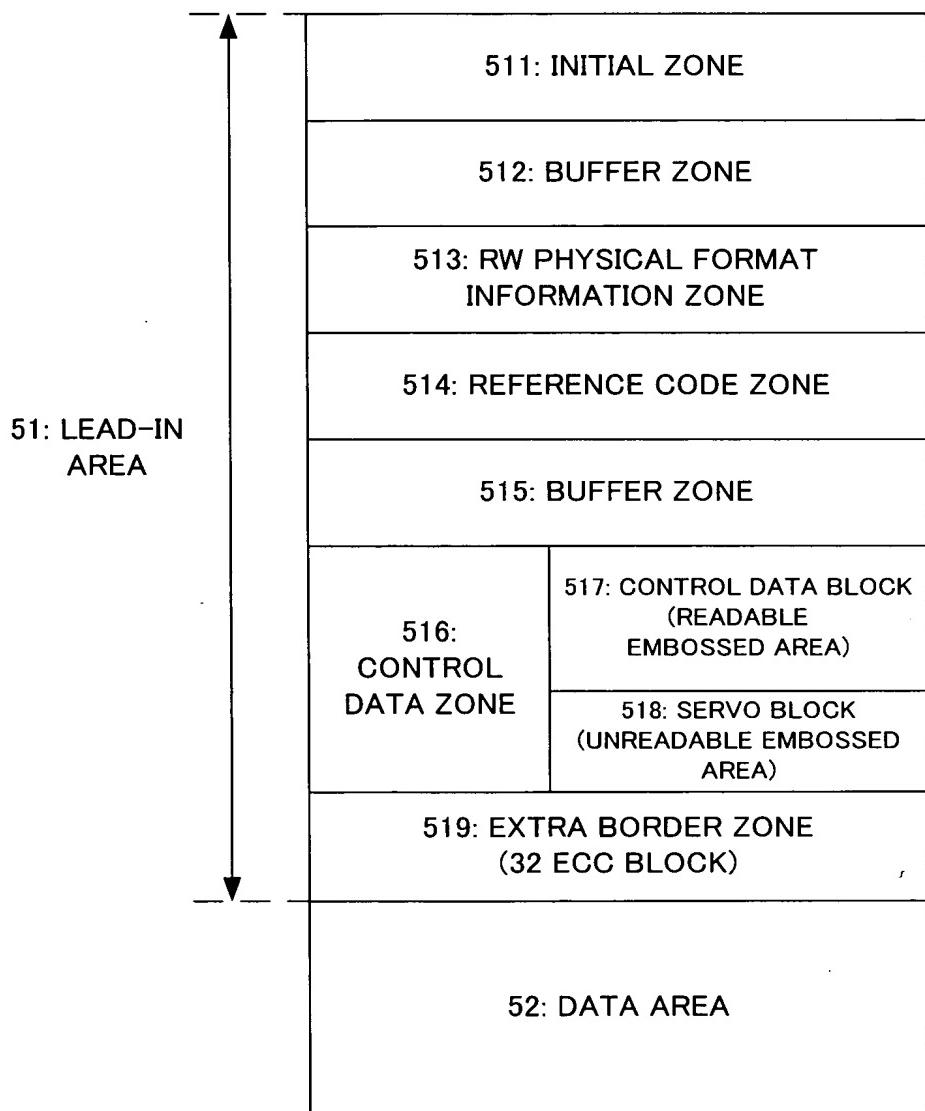


FIG. 2

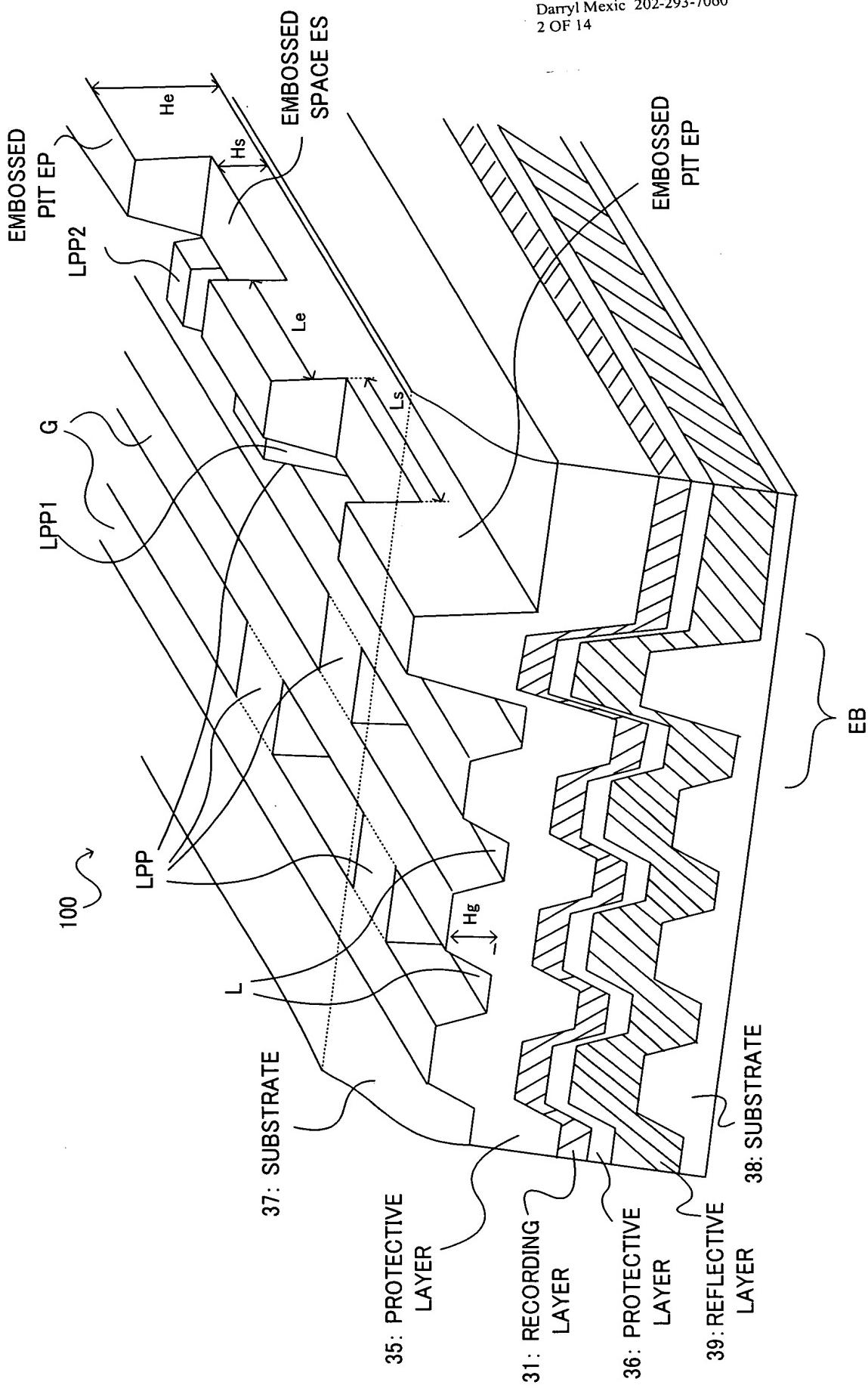
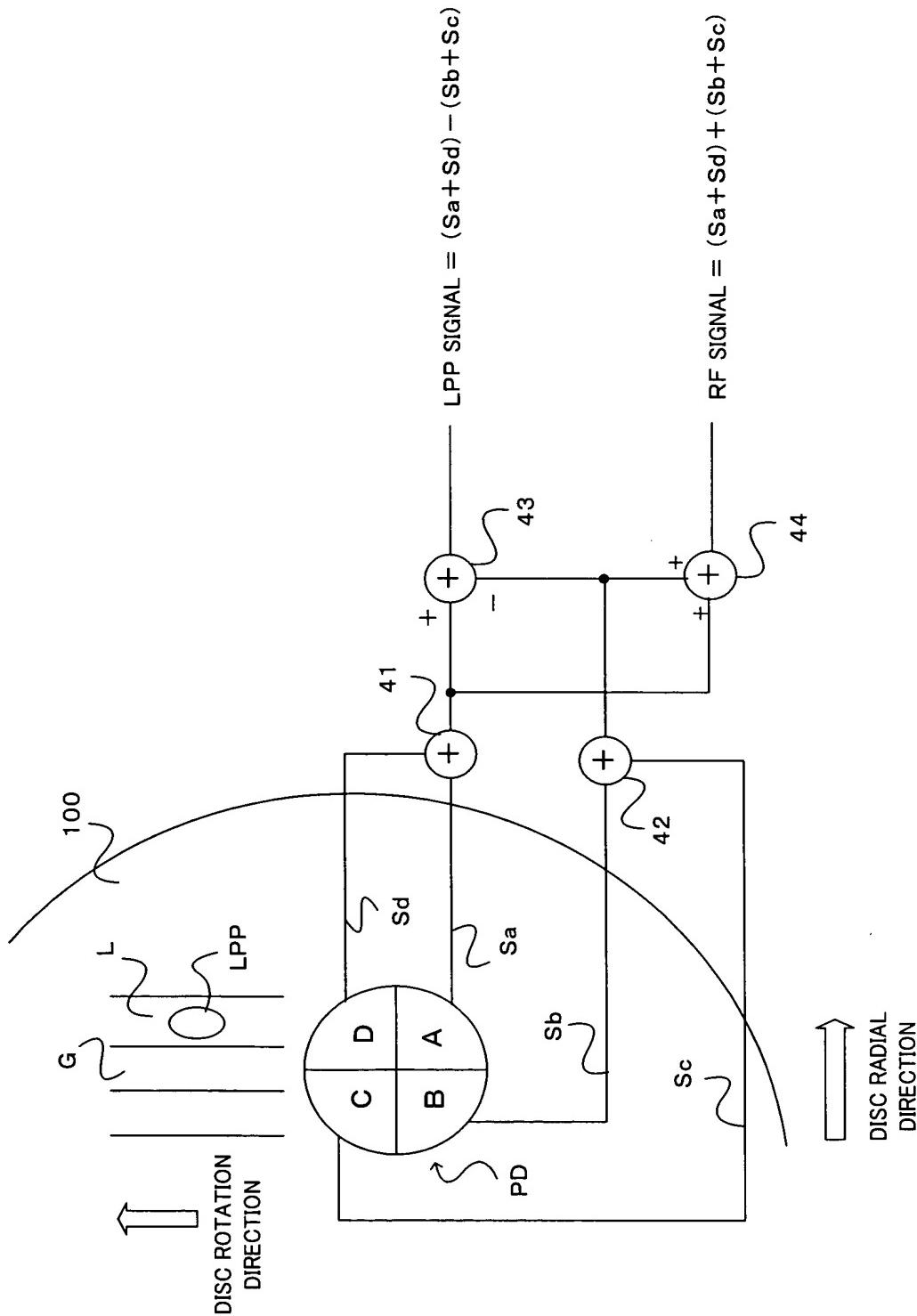
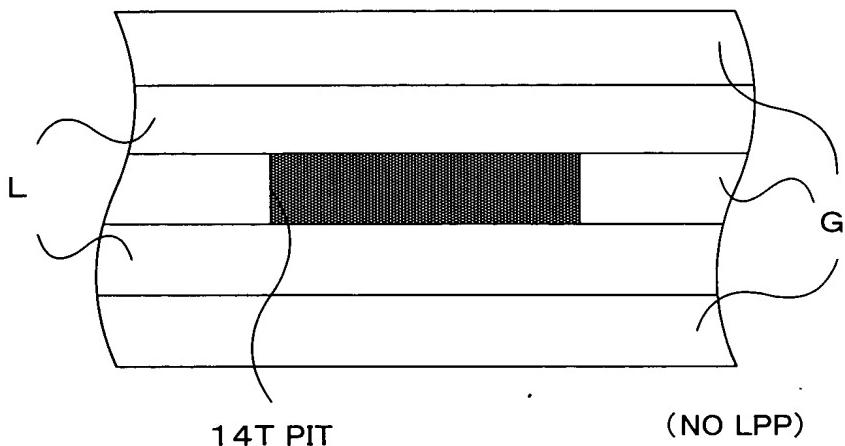


FIG. 3

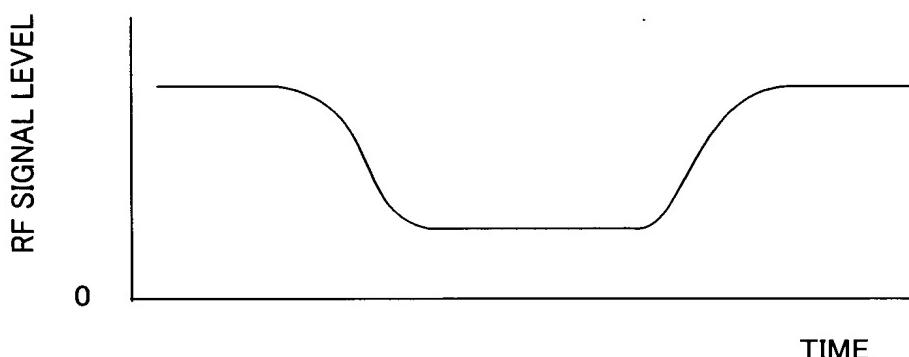


100

**FIG. 4A**



**FIG. 4B**



**FIG. 4C**

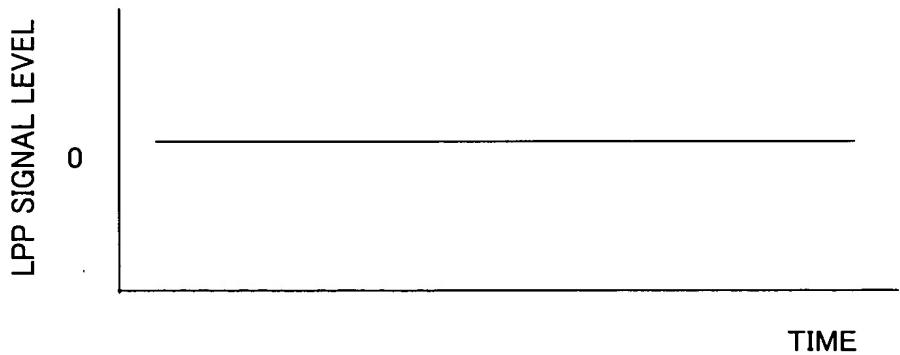


FIG. 5A

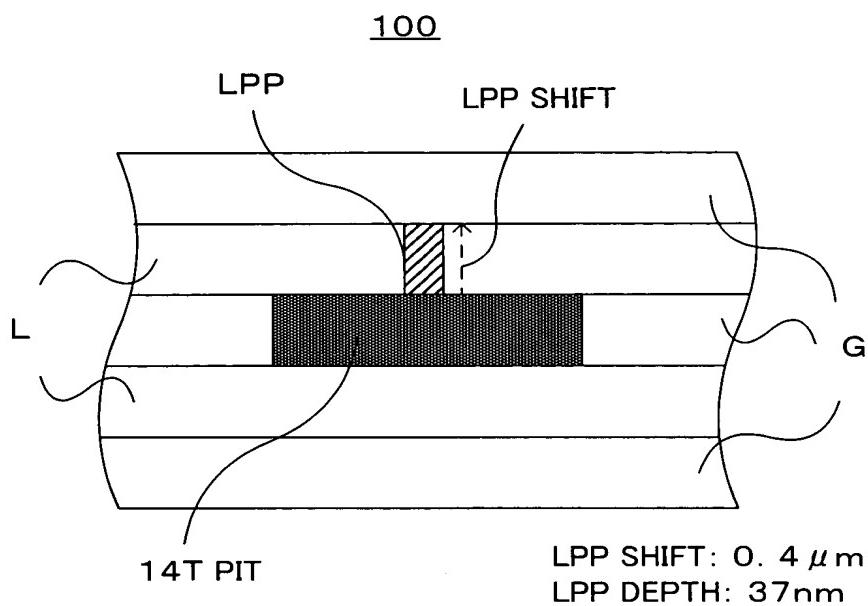


FIG. 5B

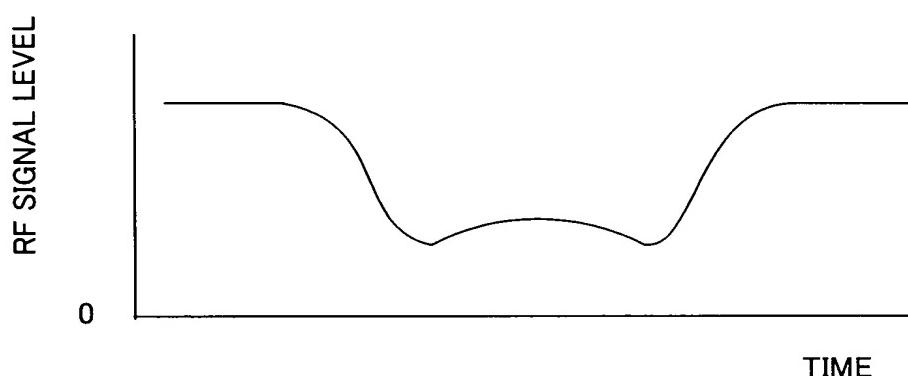


FIG. 5C

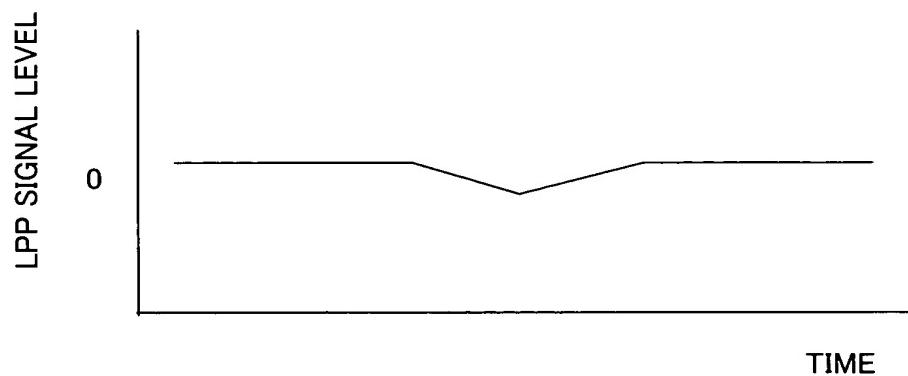


FIG. 6A

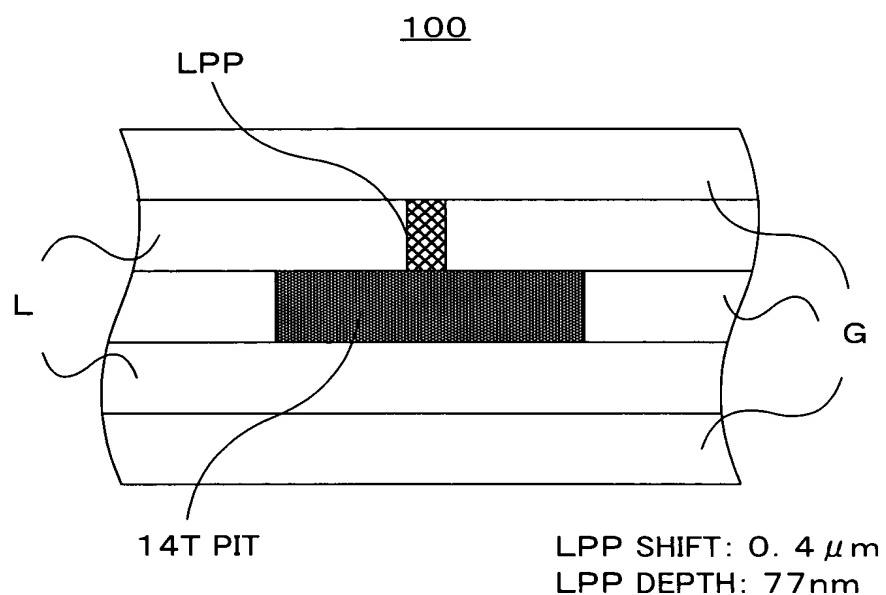


FIG. 6B

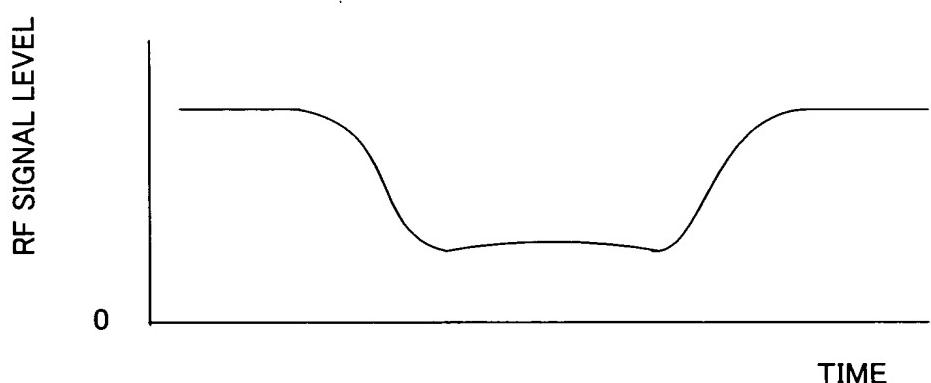


FIG. 6C

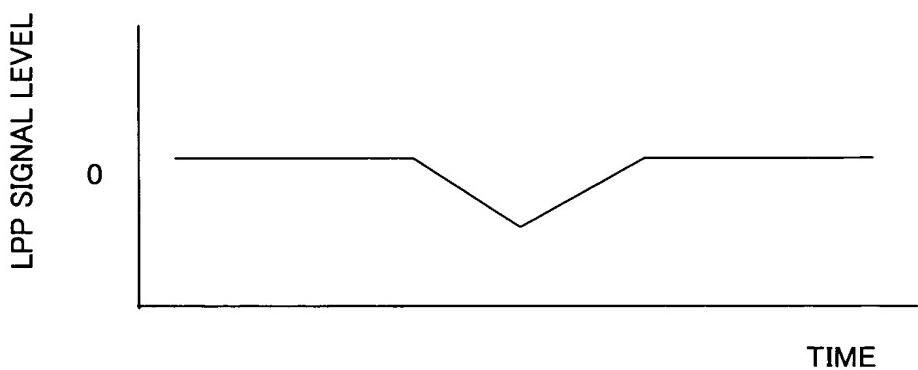


FIG. 7A

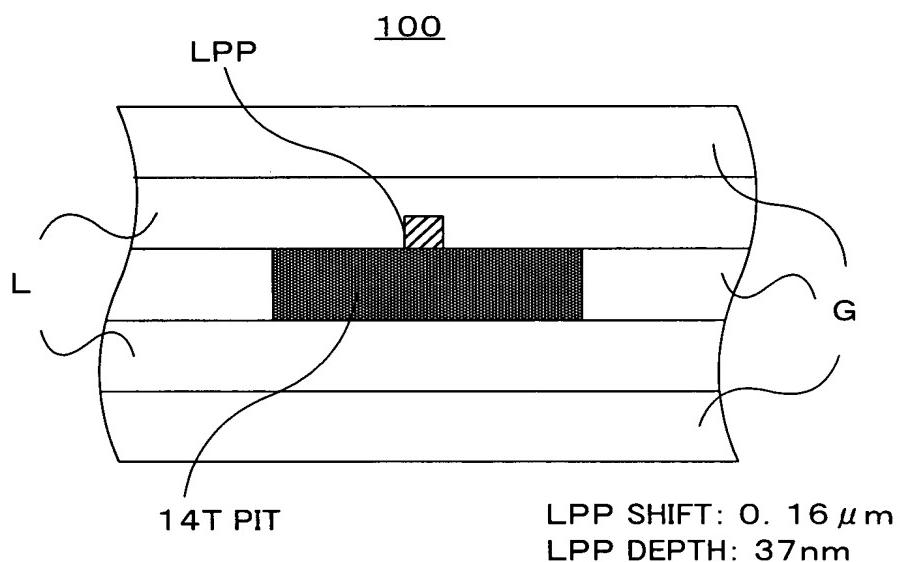


FIG. 7B

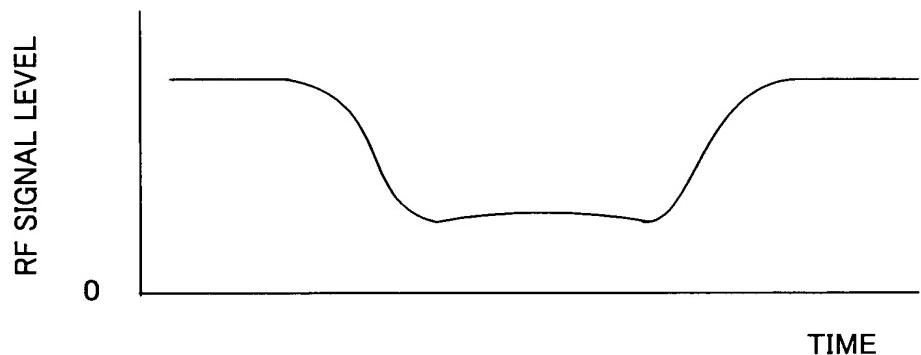


FIG. 7C

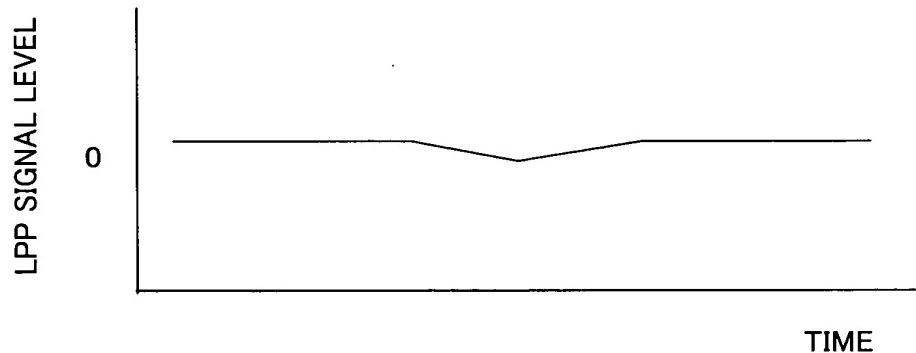


FIG. 8A

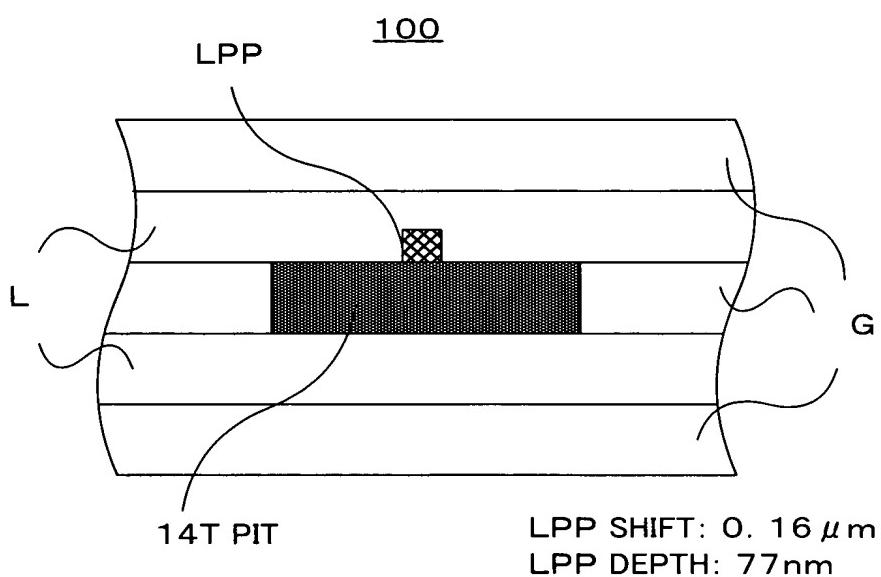


FIG. 8B

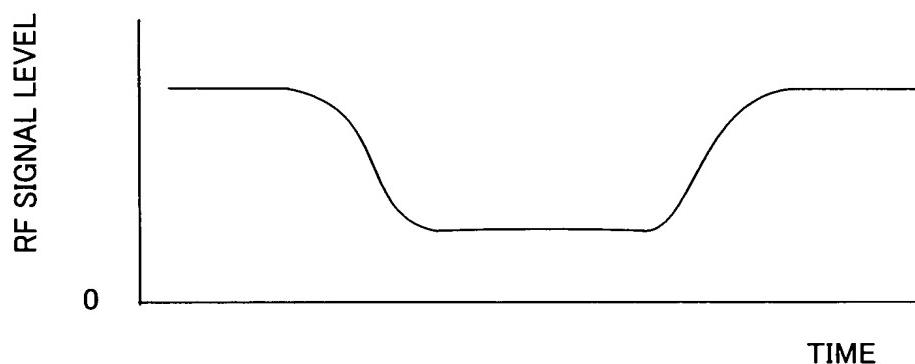
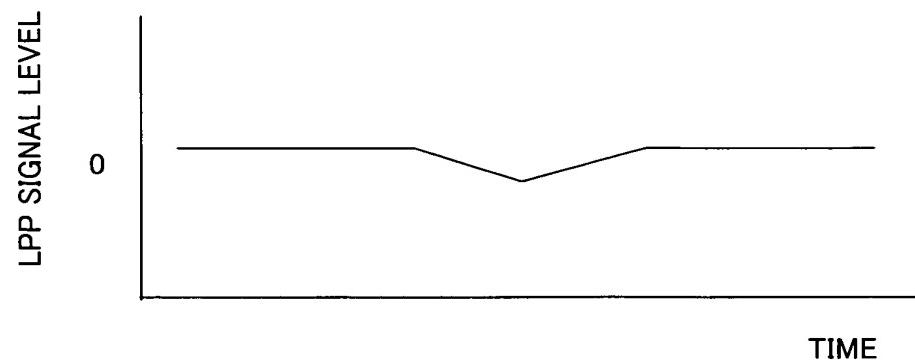
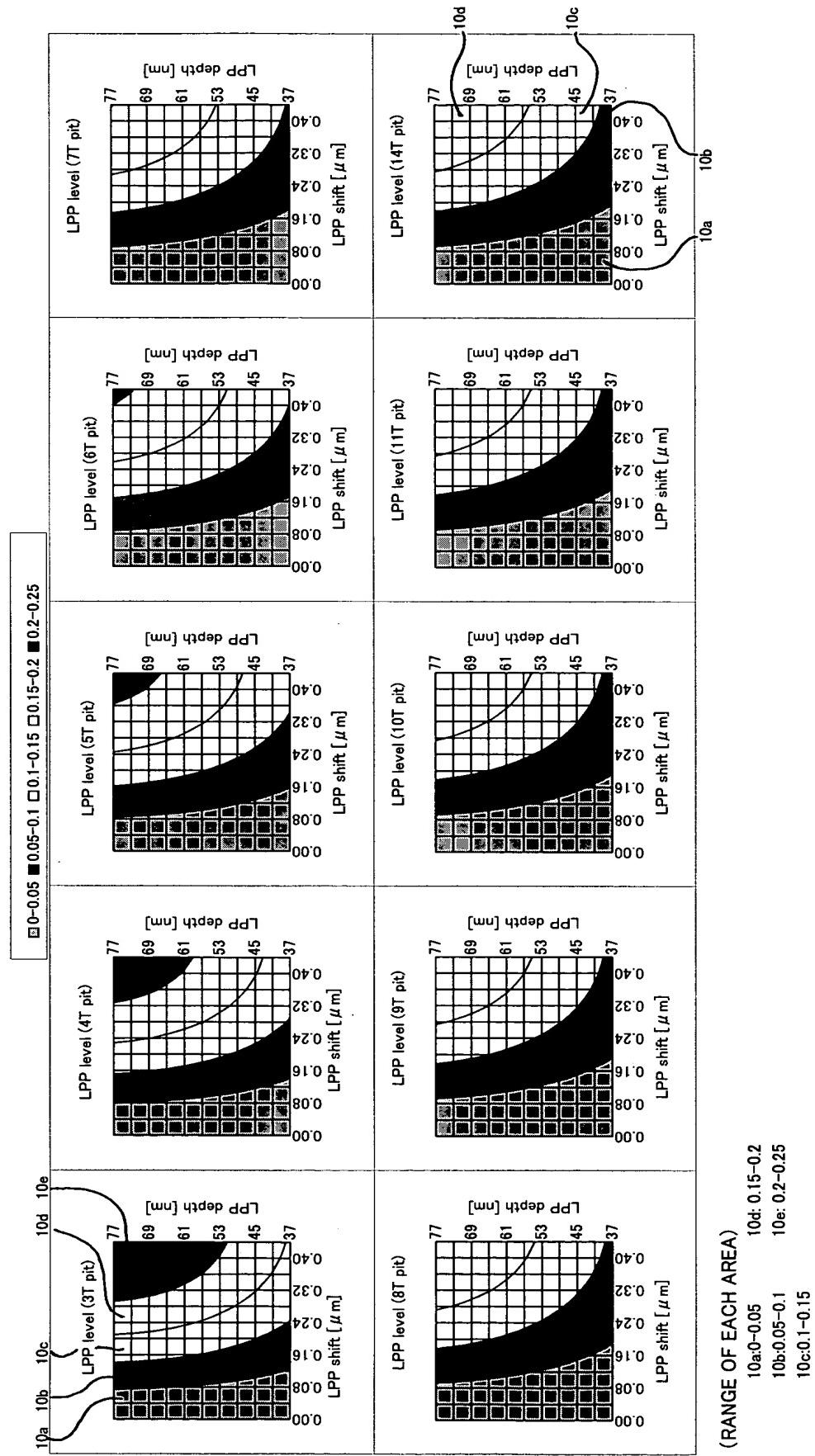


FIG. 8C



**FIG. 9**



**FIG. 10**

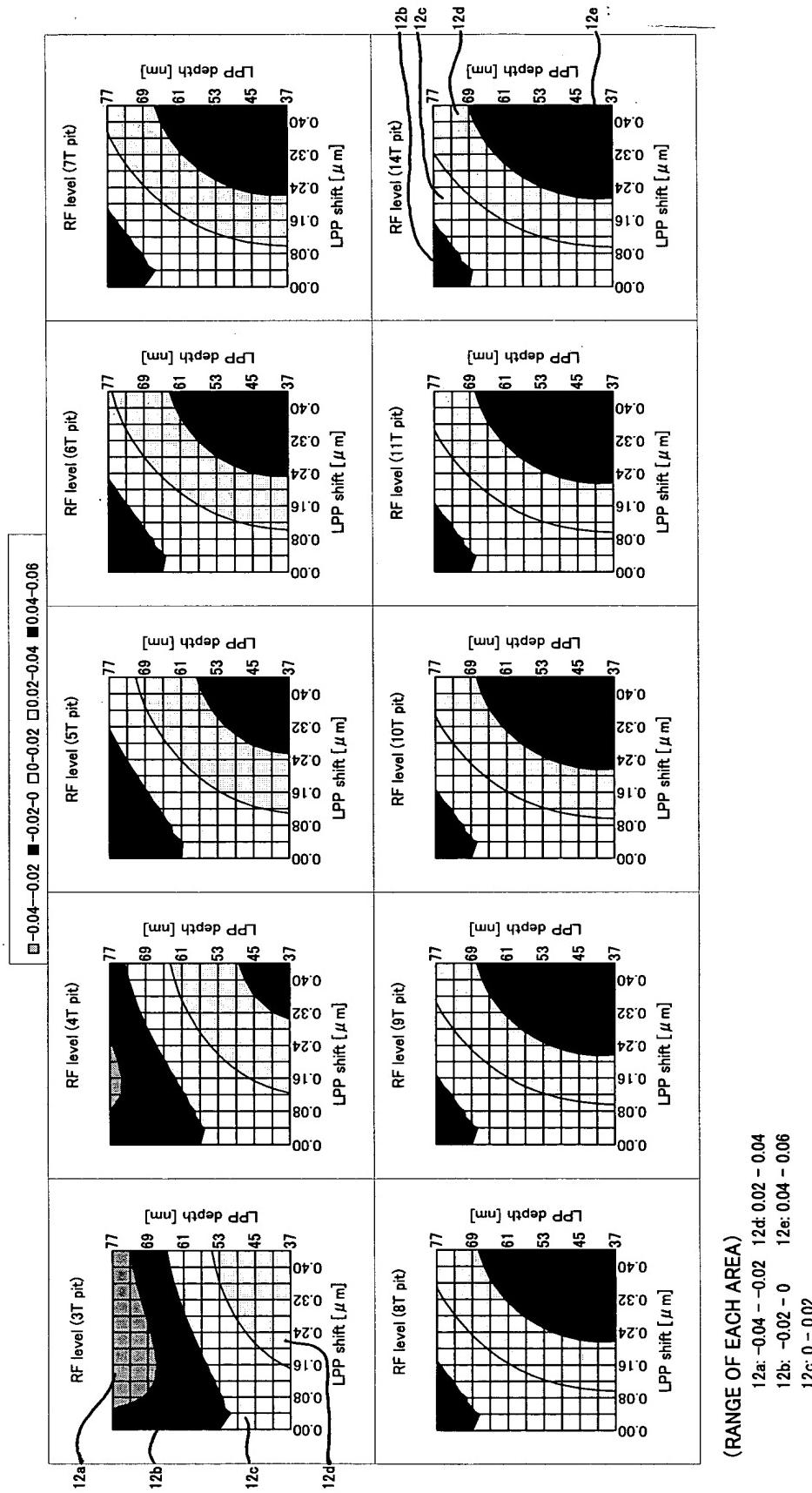
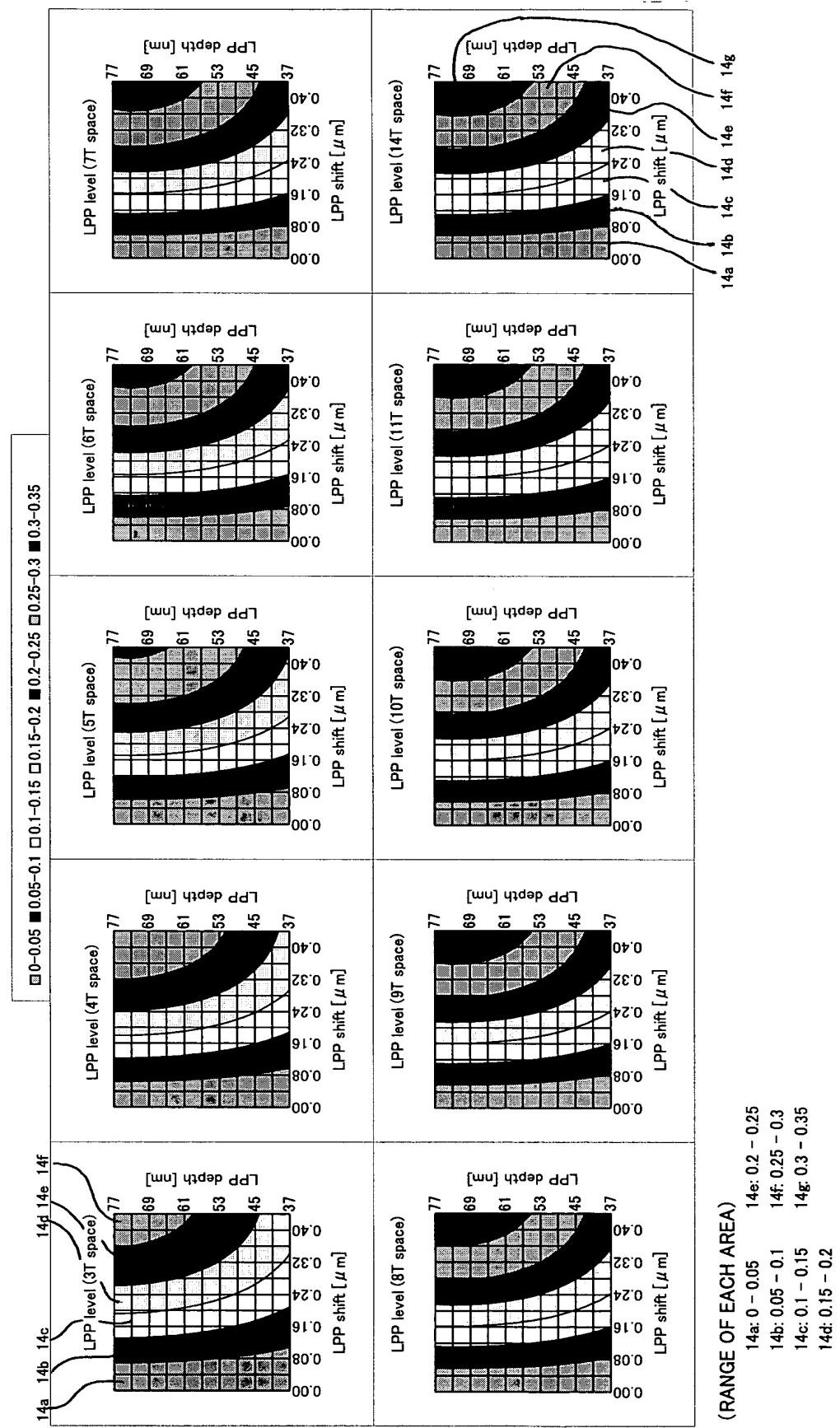
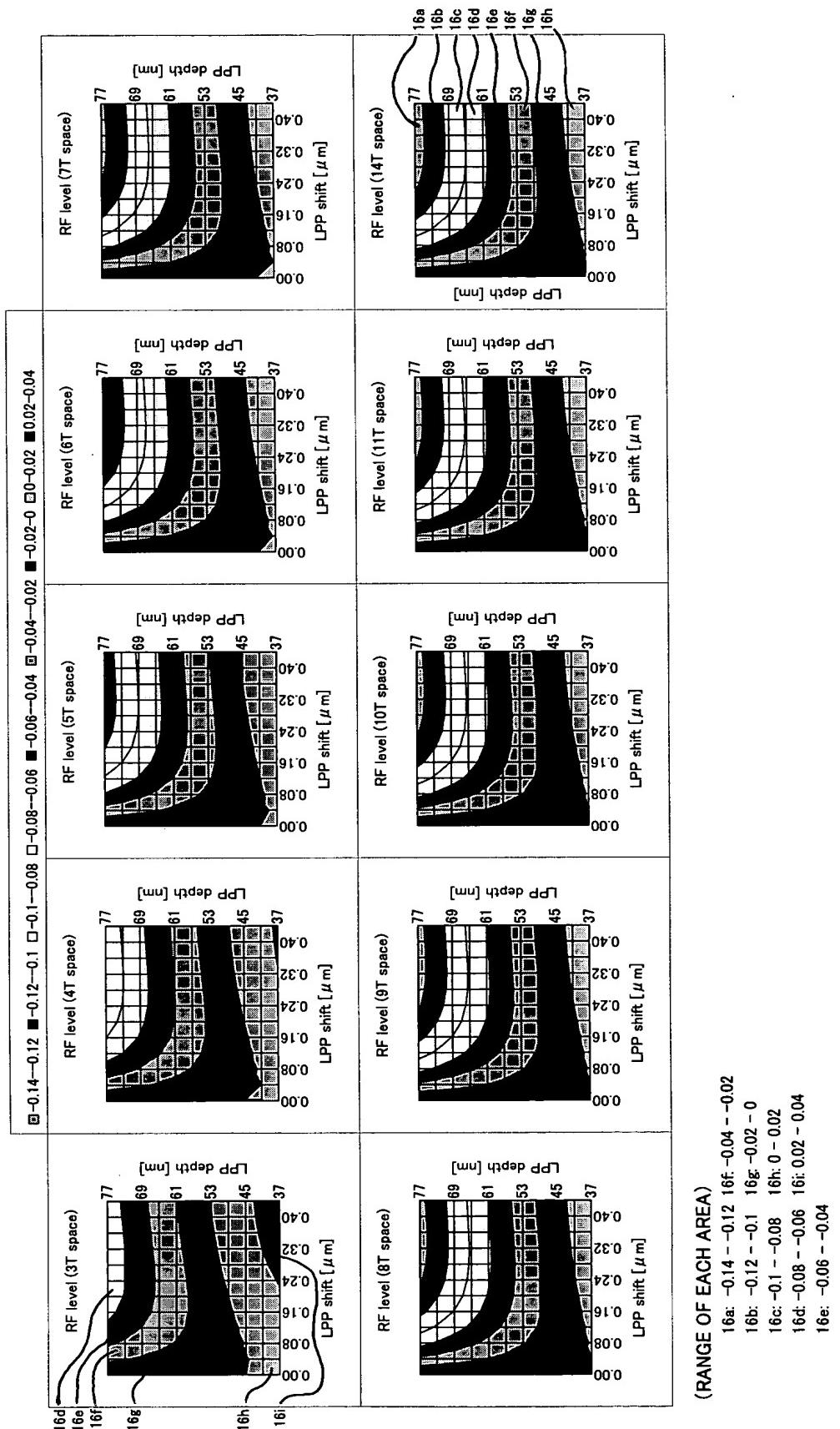


FIG. 11



**FIG. 12**



(IN CASE THAT LPP IS LOCATED NEXT TO PIT)

	Pit length [T]									
	3	4	5	6	7	8	9	10	11	14
LPP shift [ $\mu\text{m}$ ]	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
LPP depth [nm]	55	63	69	73	75	76	77	77	77	77
Distortion on RF	0	0	0	0	0	0	0	0	0	0
LPP level	0.096	0.095	0.094	0.092	0.091	0.090	0.090	0.090	0.090	0.090

FIG. 13A

OPTIMUM LPP DEPTH ACCORDING TO PIT LENGTH  
 (LPP=2T, LPP shift =  $0.16 \mu\text{m}$ )

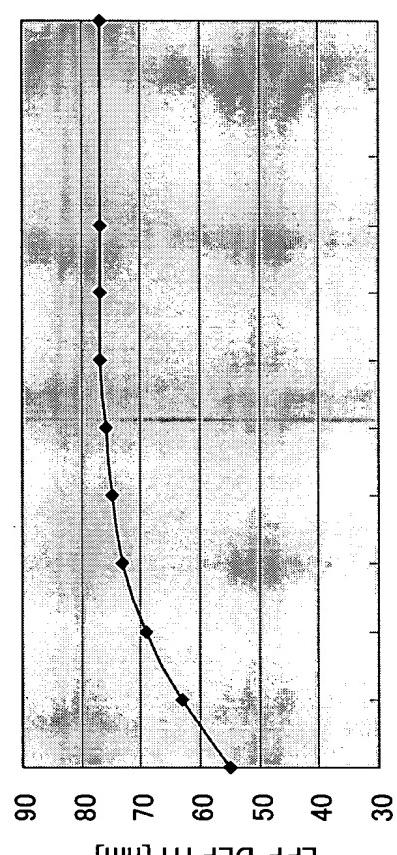


FIG. 13B

(IN CASE THAT LPP IS LOCATED NEXT TO SPACE)

	Space length [T]									
	3	4	5	6	7	8	9	10	11	14
LPP shift [ $\mu\text{m}$ ]	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
LPP depth [nm]	47	44	42	40	39	39	39	39	39	39
Distortion on RF	0	0	0	0	0	0	0	0	0	0
LPP level	0.095	0.099	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.110

FIG. 14A

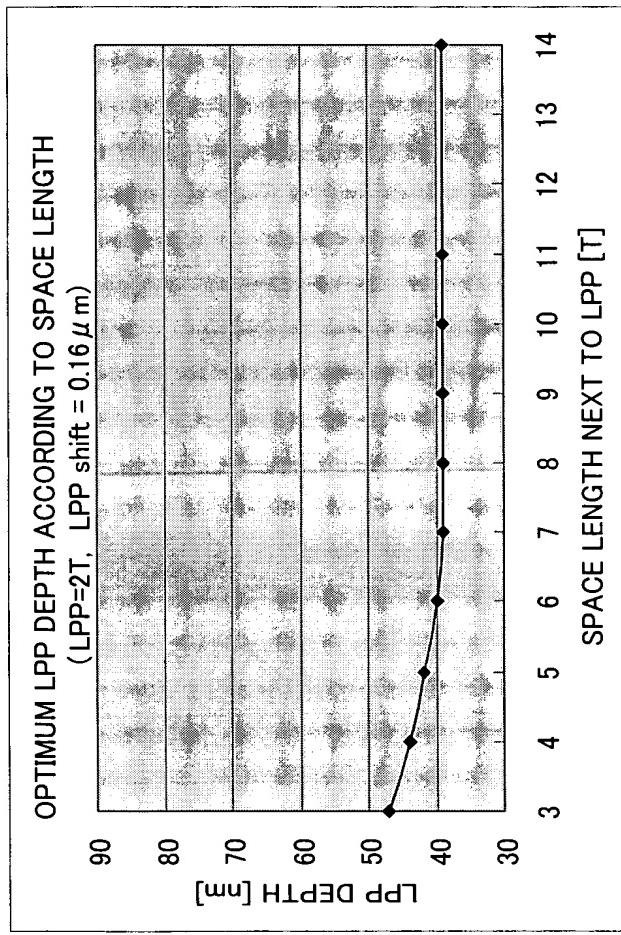


FIG. 14B